CLAIMS:

1. A reinforced window system for mounting within an opening in a wall, the window system comprising a frame fixable to the opening; said frame comprising an outside support panel and a plurality of fixable fixing members distributed on an inside of the frame; a reinforced window pane fixedly supported within a removable frame; said removable frame comprising a plurality of support members articulated to the support frame and adapted for engagement by the corresponding fixing members; and locking members for positioning and fixing the removable frame within the frame.

2. A window system according to claim 1, wherein each support member is formed with at least one arm engageable by a fixing member.

3. A window system according to claim 1, wherein the support member is formed with at least one arm which at a mounted state of the support frame, extends opposite a corresponding flange associated with the frame.

4. A window system according to claim 3, wherein the flange is a hook-like portion of the fixing member adapted for engagement with a corresponding first arm of a support member.

5. A window system according to claim 3, wherein the flange is an extension of the frame adapted for engagement with a corresponding second arm of a support member.

6. A window system according to claim 3, wherein the fixing members are bifurcated elements having a first arm and a second arm, which arms at a mounted state of the support frame, extend opposite a corresponding portion of the fixing members and an extension of the frame.

7. A window system according to claim 3, wherein a shock wave striking the window pane gives rise to generation of forces acting in the plane of the window pane and in an orthogonal plane, displacing the support frame in a radial inward direction, whereby the at least one arm of the support members engage the corresponding flanges.

8. A window system according to claim 7, wherein the energy of the shock wave striking the window pane is wasted at a first stage by deformation of the at least one arms, and a second stage by shear thereof.

9. A window system according to claim 1, comprising at least one adjustable fixing member fitted on at least two sides of the frame.

10. A window system according to claim 1, wherein the fixing members are adjustable and removable.

11. A window system according to claim 10, wherein at least some of the fixable fixing members are fitted with a fixation screw adapted for bearing against a corresponding arm of the support member.

12. A window system according to claim 1, wherein the support members are fixed at their respective locations to the support frame.

13. A window system according to claim 1, wherein a ballistic panel is fitted at the outside face of the frame, at the perimeter thereof, rendering the window system ballistic resistance.

14. A window system according to claim 1, wherein the window pane is fixed to the removable frame by an adhesive material.

15. A window system according to claim 14, wherein the adhesive material is a low-module silicone.

16. A window system according to claim 1, wherein the window pane is fixed to the removable frame by a mechanical glazing system, fitted with resilient gaskets at both faces of the window pane.

17. A window system according to claim 1, wherein the window pane sealingly bears against the outside support panel.

18. A window system according to claim 17, wherein a resilient sealing member is fitted between an outside face of the window pane and the outside support panel.

19. A window system according to claim 1, suited for retro-fitting behind an original window system installed in the opening.

20. A window system according to claim 1, further comprising at an inside thereof, a removable concealing frame panel removably fixed to either the frame and the support frame.

21. A window system according to claim 1, wherein the support members articulated to the support frame are of different length.

22. A window system according to claim 1, being a fool-proof system, whereby the fixing members and the corresponding support members of the frame and the support frame, respectively, are distributed such that they extend opposite one another only at a correct mounting of the support frame within the frame.

23. A framework for a removable reinforced window system comprising a frame fixable within an opening in a wall; said frame comprising an outside support panel and a plurality of fixable fixing members distributed on an inside of the frame; a reinforced window pane fixedly supported within a removable frame; said removable frame comprising a plurality of support members articulated to the support frame and adapted for engagement by the corresponding fixing members, thereby positioning and fixing the removable frame within the frame.

24. A framework according to claim 23, suited for retro-fitting behind an original window system installed in the wall.

25. A framework according to claim 23, wherein the support member is formed with at least one arm which at a mounted state of the support frame, extends opposite a corresponding flange associated with the frame.

26. A framework according to claim 25, wherein the flange is a hook-like portion of the fixing members adapted for engagement with a corresponding first arm of a support member.

27. A framework according to claim 25, wherein the flange is an extension of the frame adapted for engagement with a corresponding second arm of a support member.